

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

*Environ Biol Fish* (2016) 98:17–27 | DOI 10.1007/s10641-015-0411-1

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthal and Whistler (1973).

<sup>1</sup> 28 U.S.C. § 1792(a)(1) (Dispersed ownership). <sup>2</sup> 40 CFR 1.564(c)(1)-(2) for the reasons indicated below. The E-compact will require

\* If a checked drawing is needed, drawings when necessary, a checked drawing must be submitted according to the instructions in the public notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings.  
Blue ink. Fig(s) \_\_\_\_\_  
\_\_\_\_ Other drawings are not acceptable until permission is granted.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_

2. PHOTOGRAPHS. 37 CFR 1.84(b)  
\_\_\_\_ The same set is required. Fig(s) \_\_\_\_\_  
\_\_\_\_ Photograph may not be mounted. 37 CFR 1.84(c)  
\_\_\_\_ Poor quality photo is not acceptable. Fig(s) 49

3. TYPE OF PAPER. 37 CFR 1.84(c)  
\_\_\_\_ Paper not flexible, strong, white, and durable.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Faint, irregular, overdrawings, identification, fold, copy machine marks not accepted. Fig(s) \_\_\_\_\_  
\_\_\_\_ Multiple paper is not acceptable (too thin).  
Fig(s) \_\_\_\_\_

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:  
\_\_\_\_ 21.0 cm by 29.7 cm (DI) size A4)  
\_\_\_\_ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)  
\_\_\_\_ All drawing sheets must be the same size.  
\_\_\_\_ Sheet(s) \_\_\_\_\_  
\_\_\_\_ Drawings sheets not in acceptable size. Fig(s) \_\_\_\_\_

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:  
\_\_\_\_ Top 2.5 cm / Left 2.5 cm / Right 1.5 cm / Bottom 1.0 cm  
\_\_\_\_ SIZE: A4) ze  
\_\_\_\_ Top 2.5 cm / Left 2.5 cm / Right 1.5 cm / Bottom 1.0 cm  
\_\_\_\_ SIZE: 8 1/2 x 11  
\_\_\_\_ Margins not acceptable. Fig(s) 3, 5-7, 9-18, 20-26, 29  
\_\_\_\_ Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_  
\_\_\_\_ Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

6. VIEWS. 37 CFR 1.84(h)  
REMARK: Specification may require revision to correspond to drawing changes.  
Partial view. 37 CFR 1.84(h)(2)  
\_\_\_\_ Extra views needed to show figure as one entity.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Views not labeled separately or properly.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Enlarged view not labeled separately or properly.  
Fig(s) \_\_\_\_\_

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)  
\_\_\_\_ Hatching not indicated for sectional portions of an object.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Sectional designation should be noted with Arabic or  
\_\_\_\_ For an number. Fig(s) \_\_\_\_\_

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)  
\_\_\_\_ View is not arranged on a horizontal, left-to-right fashion  
\_\_\_\_ The page is either upright or turned so that the top  
\_\_\_\_ Faces the right side, except for graphs. Fig(s) \_\_\_\_\_

9. SCALE. 37 CFR 1.84(j)  
\_\_\_\_ Scale not large enough to show mechanism without  
\_\_\_\_ crowding when drawing is reduced in size to two-thirds in  
\_\_\_\_ reproduction.  
Fig(s) \_\_\_\_\_

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(k)  
\_\_\_\_ Line numbers & letters not uniformly thick and well  
\_\_\_\_ defined, clean, durable, and black (poor line quality).  
Fig(s) 48

11. SHADING. 37 CFR 1.84(m)  
\_\_\_\_ Solid black is too pale. Fig(s) \_\_\_\_\_  
\_\_\_\_ Solid black shading not permitted. Fig(s) \_\_\_\_\_  
\_\_\_\_ Shaded lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)  
\_\_\_\_ Numbers and reference characters not plain and legible.  
Fig(s) 48, 49  
\_\_\_\_ Figure legends are poor. Fig(s) \_\_\_\_\_  
\_\_\_\_ Numbers and reference characters not oriented in the  
\_\_\_\_ same direction as the view. 37 CFR 1.84(p)(1)  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Figure alphabets not used. 37 CFR 1.84(p)(2)  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Numbers, letters and reference characters must be at least  
\_\_\_\_ 32 pt (1/8 inch) in height. 37 CFR 1.84(p)(3)  
Fig(s) \_\_\_\_\_

13. LEAD LINES. 37 CFR 1.84(q)  
\_\_\_\_ Lead lines cross each other. Fig(s) \_\_\_\_\_  
\_\_\_\_ Lead lines missing. Fig(s) \_\_\_\_\_

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(r)  
\_\_\_\_ Sheet not numbered consecutively, and in Arabic numerals  
\_\_\_\_ beginning with number 1. Sheet(s) \_\_\_\_\_

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)  
\_\_\_\_ Views not numbered consecutively, and in Arabic numerals,  
\_\_\_\_ beginning with number 1. Fig(s) \_\_\_\_\_

16. CORRECTIONS. 37 CFR 1.84(w)  
\_\_\_\_ Corrections not made from prior PTO-948  
\_\_\_\_ dated \_\_\_\_\_

17. DESIGN DRAWINGS. 37 CFR 1.852  
\_\_\_\_ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_  
\_\_\_\_ Solid black shading not used for color contrast.  
Fig(s) \_\_\_\_\_

COMMENTS \_\_\_\_\_

REVIEWER J. CHASE DATE 11-22-02 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. \_\_\_\_\_

## REMARKS

When the applicant is required to prepare a replacement drawing, the specification must be changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification of the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 mandant at the time of submitting drawings.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Drawings - 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowance (37 CFR 1.312), the new drawings **MUST** be filed within the **THREE MONTH** shortened time period set forth in the Notice of Allowance. Drawings filed after the **THREE MONTH** period will be considered late drawings under 37 CFR 1.312(a) for filing the corrected drawings after the mailing of a Notice of Allowance. Drawings filed after the **THREE MONTH** period as a separate paper with a transmittal letter addressed to the Official Draftsperson.

### 2. Corrections other than Informalities Noted by Draftsperson on form PTO-049

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above, except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the applicant will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed change.

#### Timing of Corrections

Applicant is required to submit the drawings corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

**Attachment for PTO-948 (Rev. 03/01, or earlier)**  
**6/18/01**

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

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